

ABSTRACT

A target specified range of a toner density is correctly set so that a toner density is consistently appropriately controlled.

- 5 If a specified range within which a measured toner density TD (%) should fall is set based on an expression (2) below using a volume average diameter D_{cav_vol} (μm) of a magnetic carrier and a volume average diameter D_{tav_vol} (μm) of a toner, the target specified range can be correctly set, thereby making it possible to consistently appropriately control the toner
- 10 density.

$$TD \leq \{y_t \cdot V_t / N_t / (y_c \cdot V_c)\} \times 100 \quad (2)$$